

Work Order ID 84420-2

May-17-12 2:22:50 PM

84420

Page 1

Item ID: D4026-1

Revision ID:

Item Name: Fuel Gauge

Start Date: 11/05/2012 Start Qty: 5.00

Required Date: 25/05/2012 Req'd Qty: 5.00

Reference:

Approvals: Process Plan: MLJ

QC:

Date: 12/05/11

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Run Start *NR1*

Stop *NR2*

N9000040100

Setup Start *NS1*

Stop *NS2*

Cust Item ID:

Customer:

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D4026

A

100

0.00

100

Purchasing

Purchasing

Memo

Issue P/O:

16980

Purchase part as per Dwg D4026

Part #: FL-100-R

Possible Supplier: AIRCRAFT SPRUCE

Material release note required

0.00

CL 12/05/15 (5)

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

0.00

CL 12/2/10 (2)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 84420

May-11-12 2:22:50 PM

84420

Page 2

Item ID: D4026-1

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Fuel Gauge

Start Date: 11/05/2012 Start Qty: 5.00 *5*

Cust Item ID:

Required Date: 25/05/2012 Req'd Qty: 5.00 *5*

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Quality Control

Serial # =

ASL010050

Memo
ASL010048

0.00

DAS
16
8-0

12/19/17

(K2)

130

Identify as per dwg & Stock Location: 142

0.00

130

Packaging

Packaging

Memo

0.00

K2

12/17/18

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Quality Control

Memo

0.00

12/17/18

MF
12-07-18

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DGA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

May-11-12 2:22:55 PM

Page 1

Work Order ID: 84420

84420

Parent Item: D4026-1

D4026-1

Parent Item Name: Fuel Gauge

Start Date: 11/05/2012

Required Date: 25/05/2012

Start Qty: 5.00

Required Qty: 5.00

Comments: IPP Rev:A 10.05.17 as per ECN10-562 DD ver:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
FL-100-R *FI-100-R* Fuel Gauge		Purchased	No			110	Each	0.0000	1 **	5			

Per 17/12/12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

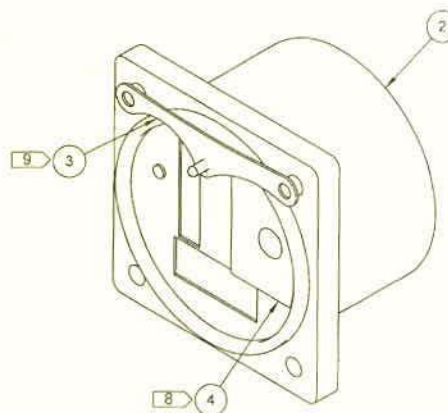
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DGA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X	D4026-041	FUEL GAUGE ASSEMBLY	FL-100-R-JCA (REF)
* 2	1	D4026-1	FUEL GAUGE	
3	1	D4014-1	SWITCH PLATE	
4	1	D4014-3	GAUGE COVER	
5	A/R		DOUBLE SIDED TAPE	



D4026-041 FUEL GAUGE ASSEMBLY

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4026-041" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.24 lbs
- 8) ATTACH D4014-3 GAUGE COVER USING DOUBLE SIDED TAPE
- 9) D4014-1 SWITCH COVER INCLUDED WITH ASSEMBLY, INSTALLED DURING GAUGE INSTALLATION IN AIRCRAFT

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 84420 MLJ
12/05/11

RELEASED
2010-05-05
MD

REV.	NEW ISSUE	DESCRIPTION	BY	DATE
DESIGN				10.02.05
DRAWN				
CHECKED				
MFG. APPR.				
APPROVED				
DE APPR.				
DATE	10.02.05			

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. D4026	REV A
TITLE FUEL GAUGE	SCALE NTS
SHEET 1 OF 2	

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No ~~DQA~~: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE
PART NUMBER

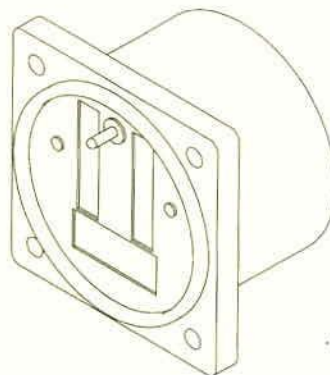
D4026-1

JOHN CAMERON AVIATION
PART NUMBER

FL-100-R-JCA

SPECIFICATION CONTROL DRAWING

24420



DART PART NUMBER	MANUFACTURER	MANUFACTURER PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	OPERATING TEMPERATURE	POWER CONSUMPTION	SENSORS SUPPORTED	OPERATING VOLTAGE
D4026-1	AEROSPACE LOGIC INC.	FL-100-R	AIRCRAFT SPRUCE AND SPECIALTY	10-00304	-15°C TO +55°C 5°F TO 131°F	450 mA MAX (DAY OPERATION) 60mA MIN (NIGHT OPERATION)	RESISTIVE SENSORS OF ALL TYPES R _{MAX} = 300 OHMS R _{MIN} = 0 OHMS	6 - 32 VDC

D4026-1 FUEL GAUGERELEASED
2010-05-05
MP

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4026	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		FUEL GAUGE	NTS
DATE	10.02.05	COPYRIGHT © 2010 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR REPRODUCTION OR COPIED OR COMMERCIAL USE TO ANY OTHER PERSON OR ENTITY WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

AIRCRAFT SPRUCE CANADA

BRANTFORD MUNICIPAL AIRPORT
150 AVIATION AVENUE, BRANTFORD, ON N3T 5L7
ADMINISTRATION (951) 372-9555 • FAX (519) 759-8964
CALL TOLL FREE (877) 795-2278 • STORE (519) 759-5017

333088

DART AEROSPACE, LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

PLEASE RETURN THIS PORTION
WITH YOUR REMITTANCE

P.O. BOX 3731 • BRANTFORD, ON N3T 6H2

GST# 887652105

PAGE: 1. 892140

CUST: 333088

AWB: 522687347798

DART AEROSPACE, LTD

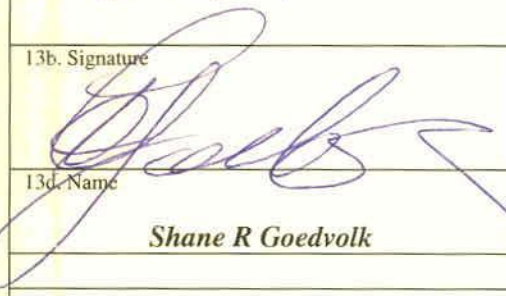
1270 ABERDEEN

HAWKESBURY, ON K6A1K7

NOTE: ANY SHORTAGES MUST BE REPORTED WITHIN 10 DAYS.

BACKORDERED PRODUCTS WILL SHIP AS SOON AS AVAILABLE.

ORDER NO	INVOICE NO.	CUSTOMER P.O. NO.	SHIP VIA	TERMS	DATE SHIPPED	
361881-1	892140	P016980	FEDEX PRIORITY	CREDIT CARD	07/09/12	
QUANTITY SHIPPED	BACK ORDERED	DESCRIPTION		DISC.	UNIT PRICE	EXTENSION
2.00		10-00304 AEROSPACE FUEL LEVEL FL-100-R			567.000	1134.00
<div><div><div>DAS 16 9-08 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1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE		3. Form Tracking No. 10050	
4. Organization Name and Address Aerospace Logic Inc. 180 James Street South, Suite 205, Hamilton, Ontario, L8P 4V1, CANADA				5. Work Order/Contract/Invoice 3125	
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial/Batch No.	11. Status/work
1	Dual Fuel Level Indicator for Resistive Senders (0 - 300Ω)	FL-100-R	1	ASL010050	NEW
12: Remarks TSO C55, Canadian STC # SA03-56, FAA STC # ST01700NY					
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation <input type="checkbox"/> Non-approved design data specified in block 12			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulations specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 has been performed in compliance with the <i>Canadian Aviation Regulations</i> .		
13b. Signature 		13c. Approved Organization Number 52-03		14b. Signature N/A	
13d. Name Shane R Goedvolk		13e. Date (dd/mm/yyyy) 5 July 2012		14c. Approved Organization Number N/A	
		14d. Name N/A		14e. Date (dd/mm/yyyy) N/A	
Installer Responsibilities					
<p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					



AUTHORIZATION TO USE STC #SA03-56 AND/OR STC #ST01700NY

Aerospace Logic Inc. hereby authorizes the legal owner of instrument serial number

ASL010050

the use of either Canadian STC #SA03-56 and/or USA STC #ST01700NY for the installation of this instrument into a certified aircraft.

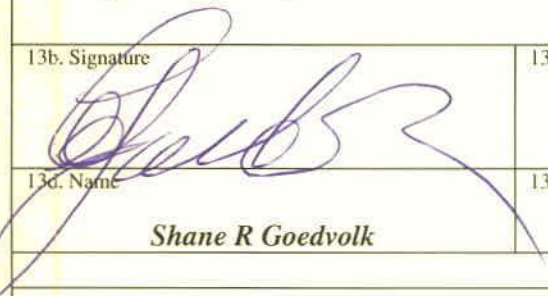
Photocopies or any other reproduction of this authorization are NOT authorization for use of the STC.



Shane R Goedvolk
p/p Aerospace Logic Inc.

PTU Ver. 1.4

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1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE		3. Form Tracking No. 10048	
4. Organization Name and Address Aerospace Logic Inc. 180 James Street South, Suite 205, Hamilton, Ontario, L8P 4V1, CANADA				5. Work Order/Contract/Invoice 3125	
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial/Batch No.	11. Status/work
1	Dual Fuel Level Indicator for Resistive Senders (0 - 300Ω)	FL-100-R	1	ASL010048	NEW
12. Remarks TSO C55, Canadian STC # SA03-56, FAA STC # ST01700NY					
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation <input type="checkbox"/> Non-approved design data specified in block 12			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulations specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12 has been performed in compliance with the <i>Canadian Aviation Regulations</i> .		
13b. Signature 		13c. Approved Organization Number 52-03		14b. Signature N/A	
13d. Name Shane R Goedvolk		13e. Date (dd/mm/yyyy) 5 July 2012		14c. Approved Organization Number N/A	
				14d. Name N/A	
				14e. Date (dd/mm/yyyy) N/A	
Installer Responsibilities					
<p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

(Previously form 24-0078)



AUTHORIZATION TO USE STC #SA03-56 AND/OR STC #ST01700NY

Aerospace Logic Inc. hereby authorizes the legal owner of instrument serial number

ASL010048

the use of either Canadian STC #SA03-56 and/or USA STC #ST01700NY for the installation of this instrument into a certified aircraft.

Photocopies or any other reproduction of this authorization are NOT authorization for use of the STC.



Shane R Goedvolk
p/p Aerospace Logic Inc.

PTU Ver. 1.4

